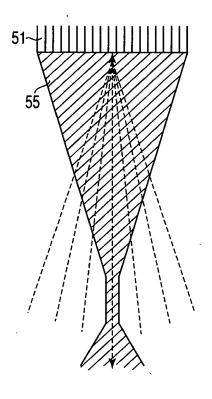


FIG. 1A PRIOR ART FIG. 1B PRIOR ART



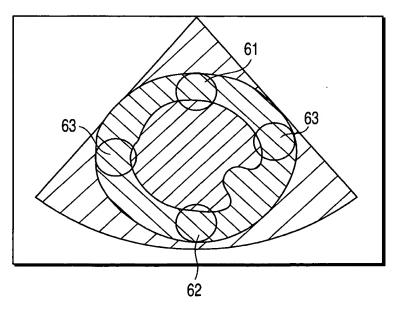
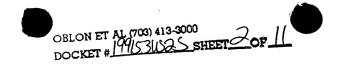
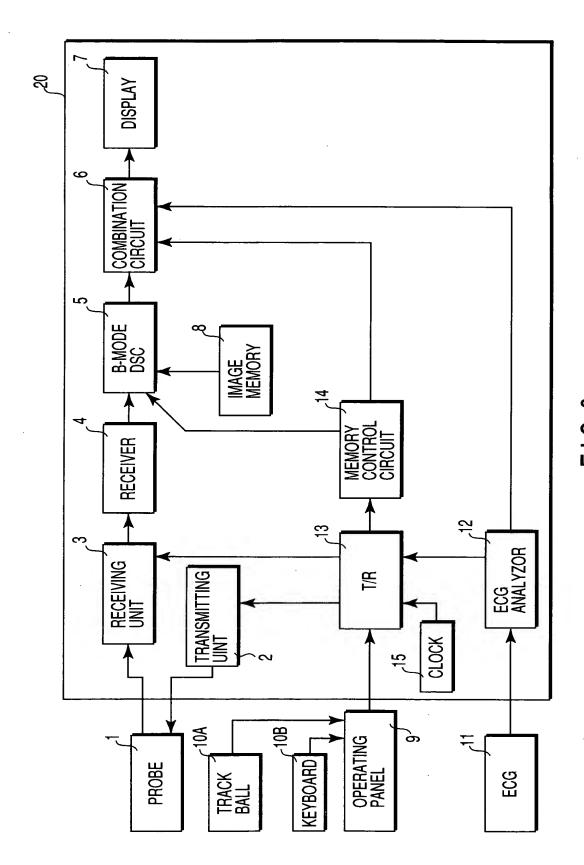
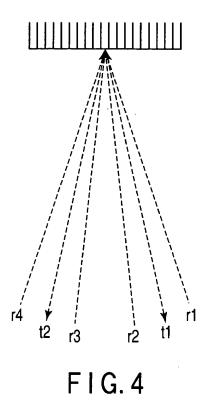


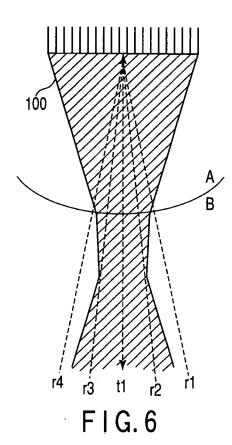
FIG. 2 PRIOR ART





F1G.3

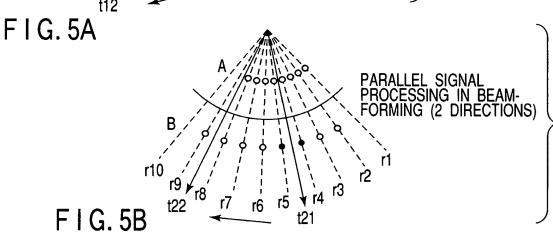


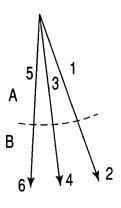


PARALLEL SIGNAL
PROCESSING IN BEAMFORMING (4 DIRECTIONS)

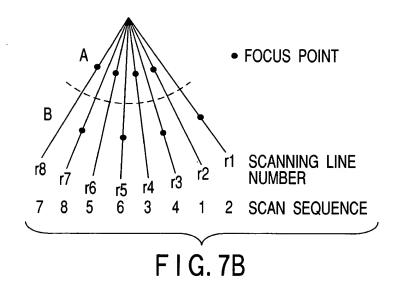
PARALLEL SIGNAL
PROCESSING IN BEAMFORMING (2 DIRECTIONS)

r10
r9
r8
r7
r6
r5
r4
r3
t11

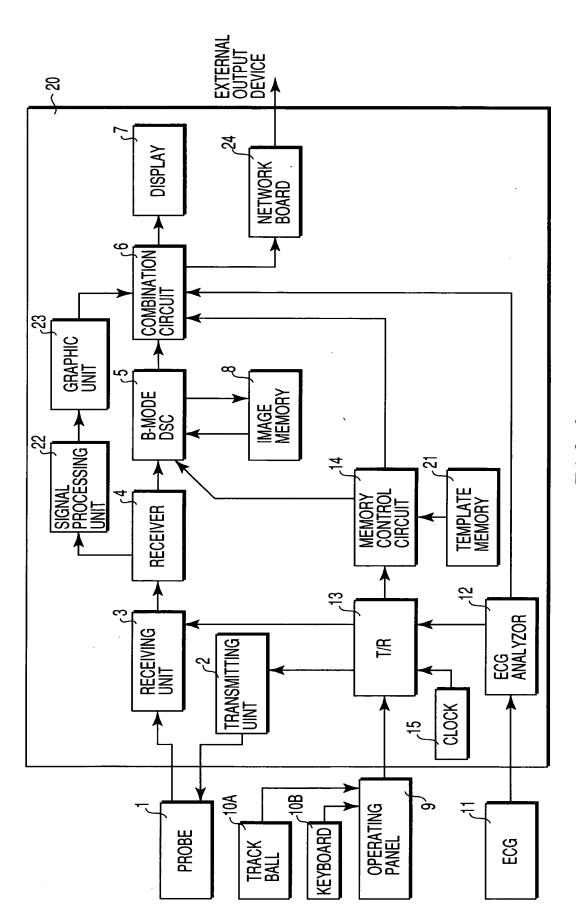




F I G. 7A

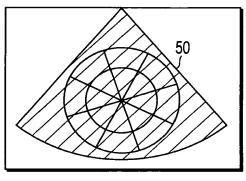


4d
4d
SCAN SEQUENCE
FIG. 8

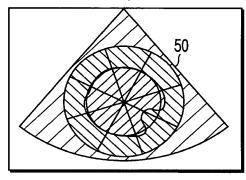


F1G.9

CKET # 199153 USAS SHEET 6 OF 1



F I G. 10A



F I G. 10B

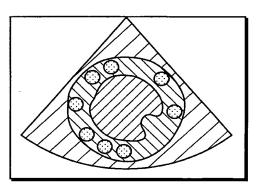
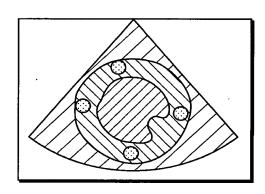
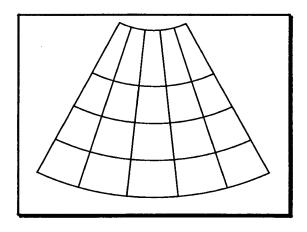


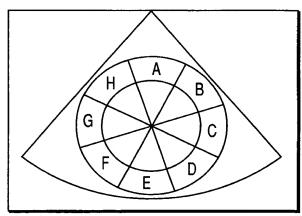
FIG. 10C



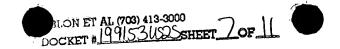
F I G. 10D

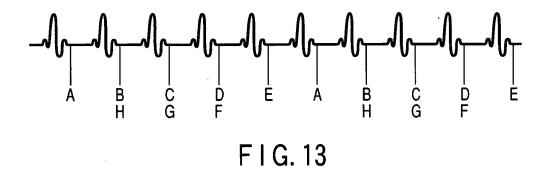


F I G. 11



F I G. 12





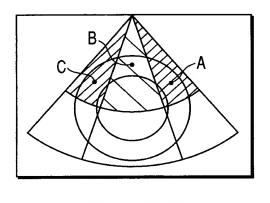
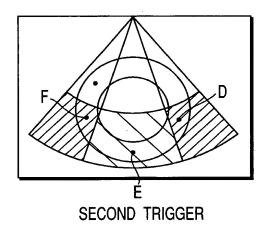
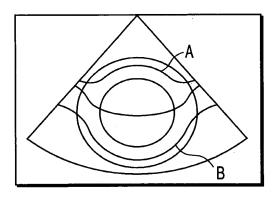


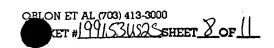
FIG. 14A

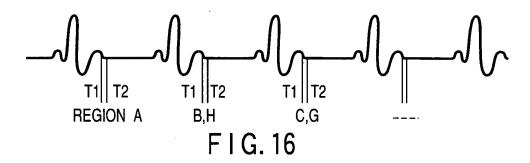


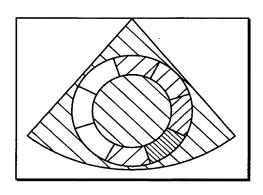
F I G. 14B



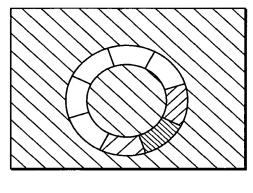
F I G. 15



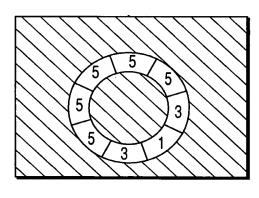




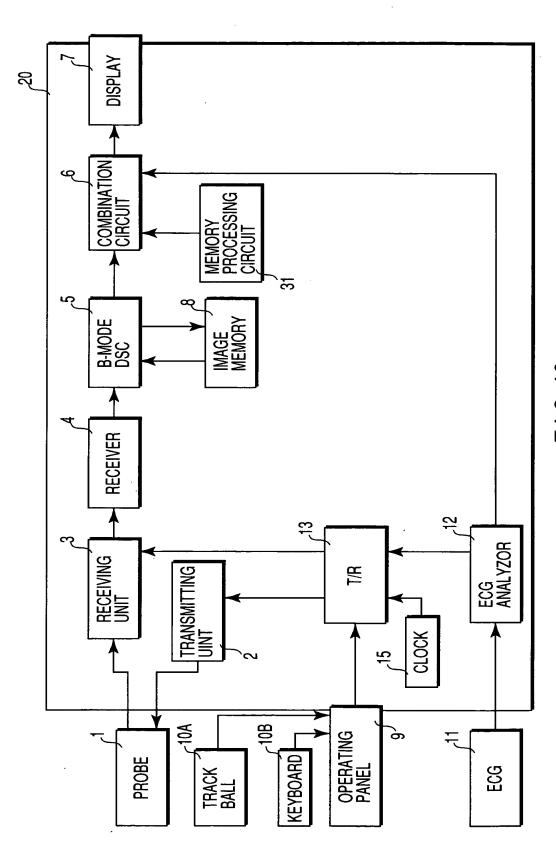
F I G. 17A



F I G. 17B

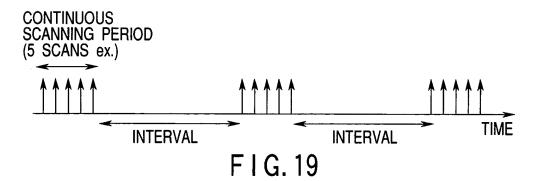


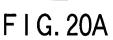
F I G. 17C

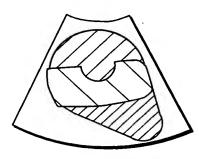


F1G. 18









F I G. 20B

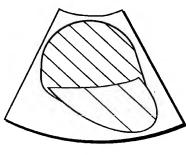
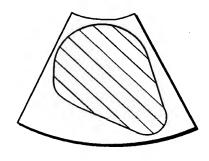
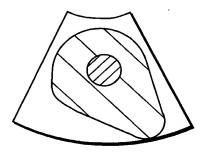


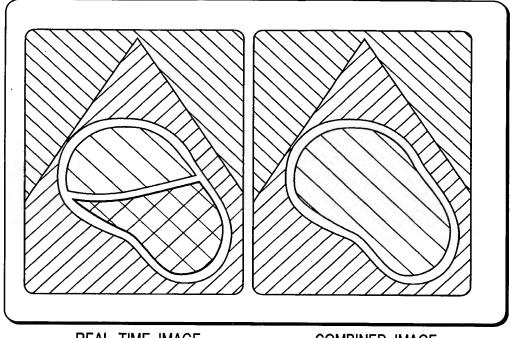
FIG. 20C



F I G. 20D



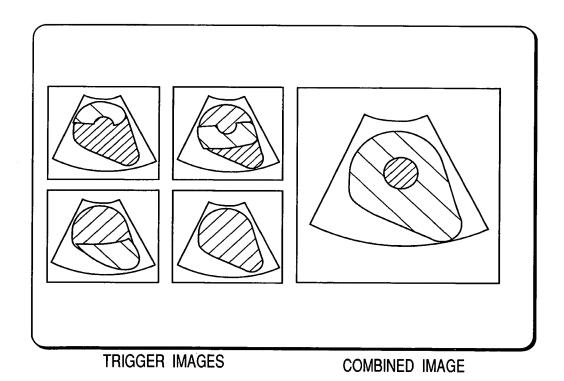
F I G. 20E



REAL TIME IMAGE

COMBINED IMAGE

F I G. 21A



F I G. 21B